Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- (original) A catheter device for penetrating through the wall of a vessel within a patient's body to a target location outside of that vessel, said device comprising:
- a catheter body having a proximal end and a distal end, the catheter body being advanceable into the vessel;
- a tissue penetrator that is passable from the catheter body, through the wall of the vessel and to the target location outside the vessel;
- catheter orientation apparatus comprising at least one of i) an imageable marker indicative of the direction in which the tissue penetrator will pass from the catheter body and ii) an imaging apparatus for imaging at least the target location prior to passage of the tissue penetrator from the catheter body; and,
- a stabilizer that is radially extendable from the catheter body to deter at least some movement of the catheter body within the vessel as the penetrator penetrates through the wall of the blood vessel.
 - 2. (original) The catheter of claim 1, wherein the stabilizer is expandable.
- (original) The catheter of claim 2, wherein the stabilizer comprises an apparatus selected from the group consisting of:
 - at least one balloon:
 - at least one cage structure that is deployable laterally from the catheter body;
 - at least one member that is deployable laterally from the catheter body; and,
- a portion of the catheter body that is initially in a first non-stabilizing configuration and is subsequently transitionable to a stabilizing configuration.
- 4. (original) The catheter of claim 3, wherein the stabilizer expands concentrically about the catheter body.

- (original) The catheter of claim 4, wherein the stabilizer is located within
 a distance no greater than about three times the diameter of the catheter from a location at which
 the penetrator exits the catheter body.
- (original) The catheter of claim 4, wherein the stabilizer substantially surrounds a location at which the penetrator exits the catheter body and wherein a penetrator passageway is formed in the stabilizer to permit the tissue penetrator to pass herethrough.
- 7. (original) The catheter of claim 3, wherein the stabilizer expands non-concentrically about the catheter body such that a location at which the penetrator exits the catheter body is located closely adjacent to or in contact with the blood vessel wall when the stabilizer is expanded.
- (original) The catheter of claim 7, wherein the stabilizer extends axially
 on both sides of a location at which the penetrator exits the catheter body.
- 9. (original) The catheter of claim 1, wherein the stabilizer device comprises a shape memory alloy element that is initially disposed in a first configuration whereby the stabilizer is not deployed and is subsequently transitionable to a second configuration whereby the stabilizer is deployed.
- 10. (original) The catheter of claim 1, wherein the stabilizer comprises at least two stabilizer members provided on the catheter, at least one of said stabilizer members being proximal to and at least one of said stabilizer members being distal to a location at which the penetrator exits the catheter body.
- (original) The catheter of claim 1, wherein the stabilizer is further constructed to straighten a portion of the catheter body when the stabilizer is deployed.
- 12. (original) The catheter of claim 1, wherein the stabilizer is constructed and deployed in a manner that allows some body fluid to flow through the vessel, past the stabilizer, when the stabilizer is deployed.

- 13. (original) The catheter of claim 1 wherein the orientation apparatus comprises at least one penetrator direction marker is formed on the stabilizer, said at least one penetrator direction marker being useable in conjunction with an imaging device, to orient the catheter body within the vessel such that the penetrator will pass into the target location.
- 14. (original) The catheter of claim 13 wherein the penetrator direction marker is formed on the stabilizer at a location that is radially opposite the location at which the penetrator passes from the catheter body.
- 15. (original) The catheter of claim 13 wherein the at least one penetrator direction marker is imageable by an imaging apparatus positioned outside of the patient=s body.
- 16. (original) The catheter of claim 13 wherein the at least one penetrator direction marker is imageable by an imaging apparatus positioned on or in the catheter.
- 17. (original) The catheter of claim 16 wherein the orientation apparatus of the catheter further comprises a lumen for receiving an imaging apparatus therewithin such that the imaging apparatus may image the target location and at least on penetrator direction marker.
- 18. (original) The catheter of claim 16 wherein the orientation apparatus of the catheter comprises an imaging apparatus mounted in the catheter, said imaging apparatus being useable to image the target location and at least on penetrator direction marker.
- 19. (presently amended) A method <u>for delivering a guidewire or other</u> apparatus from a <u>of deploying a tissue penetrator from a catheter positioned within a vessel</u> within a patient's body such that the tissue penetrator penetrates through the wall of the vessel to a target location outside of that the vessel, said method comprising the steps of:

providing positioning, within the vessel, a catheter device that comprises a catheter body, a tissue penetrator that has a lumen and is passable from a location on the catheter body, at least one catheter orientation apparatus useable to orient the catheter such that the tissue penetrator will penetrate from the catheter to a desired target location and a stabilizer for stabilizing at least a portion of the catheter body within the vessel:

using the catheter orientation apparatus to orient the catheter such that the tissue penetrator will enter the target locations when the tissue penetrator is subsequently passed from the catheter body;

stabilizing the catheter body within the vessel; and

passing the tissue penetrator from the stabilized catheter body through the wall of the vessel and to the target location; and

delivering a guidewire or other apparatus through the penetrator lumen to the target location.

- 20. (original) The method of claim 19, wherein the step of stabilizing comprises expanding a stabilizer such that the stabilizer is maintained in direct contact with the wall of the vessel
- 21. (original) The method of claim 19, wherein the step of stabilizing comprises expanding a stabilizer such that it occupies more of the cross-dimension of the vessel lumen than it did prior to expansion.
- 22. (presently amended) The method of claim 19, wherein the <u>positioning</u> step causes the catheter to be positioned in a curved vessel and wherein the stabilizer is further constructed to straighten a portion of the eatheter body when the stabilizer is deployed, and wherein the vessel in which the catheter is positioned is curved such that a when the step of advancing is performed a portion of the catheter becomes curved in conformity with the curve in the vessel, and wherein the <u>deployment of the stabilizer in the step of stabilizing step causes</u> further comprises deploying the stabilizer so as to <u>substantially straighten the</u> cause at least a portion of the catheter that has become curved to assume a <u>substantially straight configuration</u>.
- 23. (original) The method of claim 19, wherein at least two stabilizer members are provided on the catheter, at least one of said stabilizer members being proximal to and at least one of said stabilizer members being distal to a location at which the penetrator exits the catheter body, and wherein the step of stabilizing comprises deploying each of said at least two stabilizers.

- 24. (presently amended) The method of claim 19, wherein the stabilizer is constructed and deployed in a manner that allows some body fluid to flow through the vessel[[,]] and past the stabilizer, when the stabilizer is deployed and wherein the step of stabilizing.
- 25. (presently amended) The method of claim 19, wherein the step of stabilizing comprises expanding a stabilizer such that the stabilizer is closer to the wall of the vessel than it was prior to expansion but does not remain in abutting contact with the <u>wall of the</u> vessel but does not contact with vessel, and wherein.
 - 26. (original) The method of claim 19, wherein the stabilizer is a balloon.
- (original) The method of claim 19, wherein the stabilizer expands concentrically about the catheter body.
- 28. (presently amended) The method of claim 19, wherein the <u>catheter body</u> has a diameter and wherein the distance between the location on the catheter body from which the <u>penetrator passes</u> is <u>stabilizer is located within a distance that</u> is no greater than about three times the diameter of the <u>eatheter from a location at which the penetrator exits the</u> catheter body.
- 29. (original) The method of claim 19, wherein the stabilizer substantially surrounds a location at which the penetrator exits the catheter body and wherein a penetrator passageway is formed in the stabilizer and wherein the step of passing the tissue penetrator comprises passing the tissue penetrator through said passageway as it passes from the catheter body.
- 30. (original) The method of claim 19, wherein the stabilizer expands non-concentrically about the catheter body such that a location at which the penetrator exits the catheter body becomes positioned closely adjacent to or in contact with the vessel wall when the stabilizer is deployed.
- (original) The method of claim 19 wherein the stabilizer extends axially on both sides of a location at which the penetrator exits the catheter body.

- 32. (original) The method of claim 19, wherein the stabilizer comprises a shape memory alloy element that has a first non-deployed configuration and a second deployed configuration, and wherein the stabilizer is deployed by causing the shape memory alloy element to change from its first configuration to its second configuration.
- 33. (original) The method of claim 19, wherein at least a pair of spaced stabilizing devices are provided on the catheter body on both sides of the exit port, said stabilizing devices defining a span of the catheter body therebetween, and the method includes stabilizing the span.
- (original) The method of claim 26, wherein the balloon is inflated with imageable contrast medium.
- 35. (original) The method of claim 19, wherein the step of orienting the catheter comprises imaging the target location and using the image of the target location to aim the penetrator at the target location.

(cancelled)

- 37. (presently amended) The method of claim 19 wherein the orientation apparatus comprises at least one penetrator direction marker formed on the stabilizer and wherein wherein the step of orienting comprises imaging said at least one penetrator direction marker and using that image to orient the catheter body within the vessel such that the penetrator will pass into the target location.
- 38. (presently amended) The method of claim 37 49 wherein the penetrator direction marker is formed on the stabilizer at a location that is radially opposite the location at which the penetrator passes from the catheter body, and wherein the step of orienting comprises imaging the target location and the penetrator direction marker and then rotating the catheter within the vessel until the distance between the target location and the penetrator direction marker is maximized, thereby indicating that the penetrator outlet location is directly aligned with the target location.

- 39. (presently amended) The method of claim <u>37</u> 49 wherein the at least one penetrator direction marker is imageable by an imaging apparatus positioned outside of the patient=s body, and wherein the step of orienting comprises using an imaging device positioned outside of the patient=s body to image the target location and at least one penetrator direction marker, then rotating the catheter until the penetrator direction marker indicates that the penetrator is directed at the target location.
- 40. (presently amended) The method of claim <u>37</u> 49 wherein the at least one penetrator direction marker is imageable by an imaging apparatus positioned on or in the catheter, and wherein the step of orienting comprises using an imaging device positioned on or within the catheter to image the target location and at least one penetrator direction marker, then rotating the catheter until the penetrator direction marker indicates that the penetrator is directed at the target location.
- 41. (original) The catheter of claim 40 wherein the orientation apparatus of the catheter further comprises a lumen for receiving an imaging apparatus therewithin and the step of orienting further comprises, passing an imaging apparatus into the lumen, using that imaging apparatus to image the target location and at least one penetrator direction marker, then rotating the catheter until the penetrator direction marker indicates that the penetrator is directed at the target location.
- 42. (original) The method of claim 40 wherein the orientation apparatus of the catheter comprises an imaging apparatus mounted on or in the catheter, and wherein the step of orienting comprises using that imaging apparatus to image the target location and at least one penetrator direction marker, then rotating the catheter until the penetrator direction marker indicates that the penetrator is directed at the target location.
- 43. (presently amended) The A-revascularization procedure comprising the method of claim 19 wherein the vessel in which the catheter is placed is a blood vessel and the target location is another blood vessel, and wherein a blood flow path is created between the blood vessels.

- 44. (presently amended) The A revaseularization procedure comprising the method of claim 43 wherein the catheter is placed in one coronary blood vessel and the target location is another coronary blood vessel such that a blood flow path is created between two coronary blood vessels.
- 45. (presently amended) The A revascularization procedure comprising the method of claim 43 wherein the catheter is placed in a coronary blood vessel and the target location is a chamber of the heart such that a blood flow path is created between the chamber of the heart and the coronary blood vessel.
- 46. (presently amended) The A-revascularization procedure comprising the method of claim 43 wherein the catheter is placed in one of the hepatic vein and the portal vein, and the target location is the other of said hepatic vein and portal vein, such that a such that a blood flow path is created between the hepatic vein and the portal vein.
- 47. (presently amended) The A revascularization procedure comprising the method of claim 43 wherein the catheter is placed in one of the inferior vena cava and the portal vein, and the target location is the other of said inferior vena cava and portal vein, such that a blood flow path is created between the inferior vena cava and portal vein.
- 48. (presently amended) The A revaseularization procedure comprising the method of claim 19 wherein the catheter is placed in one of an artery and vein, and the target location is in the other of the artery and vein, and wherein the procedure penetration created by the penetrator is used to form a fistula or bloodflow channel between the artery and vein.
 - (cancelled)
 - (cancelled)
- 51. (presently amended) The method of claim 19 where the <u>positioning step</u> causes the catheter to be <u>positioned in a vessel having an</u> inner diameter that of the <u>vessel</u> is at least 50% larger than the diameter of the catheter body prior to <u>performance of the step of stabilizing</u> the catheter body within the vessel.